P-49

**AM/FM/MPX RADIO WITH FOLD-DOWN
DETACHABLE FRONT PANEL,
CASSETTE PLAYER, CD CHANGER CONTROLS
AND QUARTZ CLOCK**

**COMPACT
disc
DIGITAL AUDIO**

PRESTIGE
by AUDIOVOX

**OWNER'S
MANUAL**

Released 2-20-02

INDEX

OPERATING INSTRUCTIONS
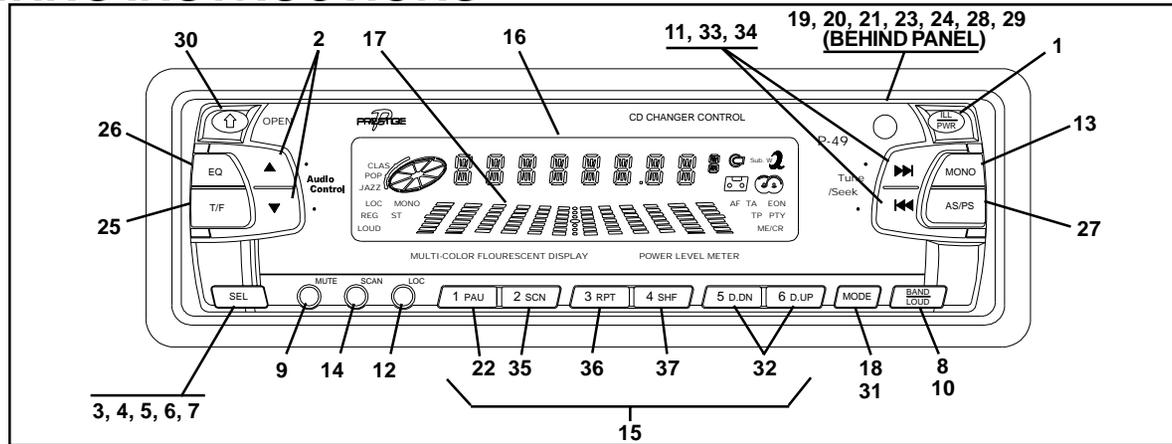
① **POWER ON-OFF/ILLUMINATION (PWR/ILL) BUTTON**

Press this button to turn the unit on or off. If the ignition switch is "on", the unit will also turn on automatically when the MODE switch or BAND switch is pressed. When the button is pressed and held to turn the unit off, the time of day is displayed.

When the unit is on, each time the button is momentarily pressed and released, the VFD display panel back-lighting intensity will change from low-to-medium-to-high, and then back to low, thereby providing three different intensity settings.

② **AUDIO CONTROL (▲/ ▼) BUTTONS**

To increase the volume level, press the ▲ button. The volume will increase and the level will be shown on the display panel from a minimum of **VOL 00** to a maximum of **VOL 100**. To decrease the volume level, press the ▼ button. The display will automatically return to the normal indication 5 seconds after the last volume adjustment or when another function is activated. These control buttons are also used in conjunction with the Select (SEL) button ③ to adjust the bass, treble, balance and fader levels as described in ④, ⑤, ⑥ and ⑦.

③ **PUSH SELECT CONTROL BUTTON (SEL)**

This button is used to select the audio function (volume, bass, treble, balance, or fade) whose setting is adjusted using the AUDIO CONTROL buttons ②. Pressing the SEL button once will set the unit for bass adjustment (**BAS** will appear on the display panel) and an audible beep will occur. Pressing the button additional times will select treble adjustment (**TRE** on the display), balance (**BAL**), or fader (**FAD**), each accompanied by a beep tone. The display will automatically return to the normal indication 5 seconds after the last adjustment or when another function is activated.

NOTE: Base and Treble cannot be adjusted while the Equalizer function ㉙ is in **ROCK**, **CLASSICS** or **POP** mode.

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④ **BASS CONTROL**

To adjust the bass level (Equalizer function inactive), first select the Bass mode by pressing the SEL button ③ so the **BAS** indication appears on the display panel. Within 5 seconds of choosing the Bass mode, press the ▼AUDIO CONTROL ② button to decrease the bass response, or the ▲ AUDIO CONTROL button to increase it as desired. The level will be shown on the display panel from a minimum **BAS -10** to a maximum of **BAS 10** (**BAS 00** indicates flat response). The display will automatically return to the normal indication 5 seconds after the last adjustment or when another function is activated.

⑤ **TREBLE CONTROL**

To adjust the treble level (Equalizer function inactive), first select the Treble mode by pressing the SEL button ③ so the **TRE** indication appears on the display panel. Within 5 seconds of choosing the Treble mode, press the ▼AUDIO CONTROL button ② to decrease the treble response or the ▲ AUDIO CONTROL button to increase it as desired. The level will be shown on the display panel from a minimum **TRE -10** to a maximum of **TRE 10** (**TRE 00** indicates flat response). The display will automatically return to the normal indication 5 seconds after the last adjustment or when another function is activated.

⑥ **LEFT/RIGHT BALANCE CONTROL**

To adjust the left-right speaker balance, first select the Balance mode by pressing the SEL button ③ so the **BAL** indication appears on the display panel. Within 5 seconds of choosing the Balance mode, press the ▼ AUDIO CONTROL button ② to adjust the stereo balance to the left channel speakers or the ▲AUDIO CONTROL button to adjust it to the right channel speakers. The balance position will be shown on the display panel from **BAL10L**

(full left) to **BAL 10R** (full right). When the volume level between the left and right speakers is equal, **L=R** will be shown on the display panel. The display will automatically return to the normal indication 5 seconds after the last adjustment or when another function is activated.

⑦ **FRONT/REAR FADER CONTROL**

To adjust the front-rear speaker balance, first select the Fader mode by pressing the SEL button ③ so the **FAD** indication appears on the display panel. Within 5 seconds of choosing the Fader mode, press the ▼ AUDIO CONTROL button ② to adjust the front-rear speaker balance to the rear speakers or the ▲ AUDIO CONTROL button to adjust it to the front speakers. The fader position will be shown on the display panel from **R 10** (full rear) to **F 10** (full front). When the level between the front and rear speakers is equal, **F=R** will be shown on the display panel. The display will automatically return to the normal indication 5 seconds after the last adjustment or when another function is activated.

⑧ **LOUDNESS CONTOUR (LOUD)**

When listening to music at low volume levels, this feature will boost the bass and treble ranges to compensate for the characteristics of human hearing. Press and hold the BAND/LOUD button for 2 seconds to activate this feature; **LOUD ON** will appear on the display for 5 seconds. Pressing the button again for 2 seconds will deactivate the feature; **LOUD OFF** will appear on the display panel for 5 seconds.

⑨ **AUDIO MUTE SELECTOR (MUTE)**

Press this button momentarily to mute the volume from the system (**MUTE** will appear blinking on the display panel). Pressing the button again or activating any other button/function will return to the volume level setting in use before the Mute function was activated. During cassette and disc play, pressing this button will

mute the audio; however, cassette and/or changer play will continue and not be paused.

⑩ AM/FM BAND SELECTOR (BAND)

Each time the BAND/LOU button is pressed momentarily, the radio band is changed. The indication **AM, FM1, FM2** or **FM3** will appear on the display panel according to your selection.

⑪ TUNE/SEEK (▶▶▌ / ▌◀◀) BUTTONS

To manually select a radio station, momentarily press the Up Tuning (▶▶▌) button to advance the unit higher, or the Down Tuning (▌◀◀) button to tune lower within the selected band.The radio will tune to the next available station. Pressing either button for longer than 0.5 second will cause **MANUAL** to appear on the display; in this mode each press of the TUNE/SEEK button will increase or decrease frequency in 200 kHz steps. Pressing and holding either button in the MANUAL mode will cause the radio to rapidly tune in the upward or downward direction, and stop when the respective button is released. Five seconds after tuning is complete, **AUTO** will momentarily appear.

⑫ LOCAL (LOC) BUTTON

This feature is used to select the strength of the signals at which the radio will stop during Automatic Seek Tuning. Pressing and this button will select the Local setting (**LOCAL** will appear on the display panel) and only strong (local) stations will be received. Pressing the button again will select the normal Distant setting (**LOCAL** will disappear from the display panel, and **Dx** will be displayed instead) and the radio will stop at a wider range of signals, including weaker (more distant) stations.

⑬ FM MONO/STEREO BUTTON (MONO)

During FM radio operation, this button is used to select mono or stereo reception of the broadcast signal. Under normal reception conditions, the unit should be left in the stereo mode as indicated

by the **ST** indication on the display panel when tuned to an FM stereo signal. If the stereo signal is too noisy for comfortable listening, press the MON button to switch to mono reception (the **ST** indication will disappear from the display panel, and **MONO** will be displayed). To return to stereo reception mode, press the button again so that the **ST** indication reappears in the display.

⑭ LOCAL STATION SCAN (SCAN) BUTTON

Press this button momentarily to commence a scan of the nearby local stations whose signal strengths are the strongest (the station number will appear flashing on the display panel during station search). Press the button again momentarily to stop the Scan operation and remain on the current local frequency. To return to one of the frequencies preset into the current band, press the desired pre-set button.

⑮ STATION PRE-SET MEMORIES

To set any of the 6 pre-set memories in each band, use the following procedure:

1. Turn the radio on and select the desired band.
2. Select the first station to be pre-set using the Manual TUNE or Automatic SEEK Controls ⑪ .
3. Press the pre-set button to be set and continue to hold it in for approximately 2 seconds. The preset number (**1**-**6**), will appear on the display panel indicating that the station is now set into that preset memory position. The station can now be recalled at any time by pressing that button.
4. Repeat the above procedure for the remaining 5 pre-sets on that band and for the other 3 bands on the unit.

⑯ VACUUM FLUORESCENT DISPLAY (VFD)

The Vacuum Fluorescent Display (VFD) panel displays the frequency, time, and activated functions using one of three illumination levels as selected by the PWR/ILL button ①.

⑰ POWER LEVEL METER DISPLAY

This display consists of a left and right five-bar graph and a center graph which provides a visual representation of the volume level and the left and right channel audio signal levels. The volume level is represented by the two outer bar graphs. As the volume is increased, the number of illuminated segments will increase. The left and right channels are represented by the three inner and center bar graphs whose illuminated segments increase and decrease as a function of the signal strength applied to the left and right channels. As the signal increases, the number of illuminated segments will increase and vice-versa.

⑱ MODE SELECTOR (MODE)

This button is used to select the radio, cassette player or CD changer (if installed) playback mode. Each press of the button will select a different mode as indicated on the display panel.

During cassette operation, this button may be used to select the CD changer mode. Press the button again to return toradio mode, or press the button once more to resume play of the cassette from the point at which it was stopped.

⑲ CASSETTE DOOR

Hold the cassette with the exposed tape edge to the right and insert into the cassette door. Depress fully until the cassette is engaged and begins playing. When the cassette reaches the end on the side of the tape being played, the unit will automatically change direction of play as shown by the arrows on the display panel and play the other side of the cassette.

NOTE: Observe cassette operation Cautions in the Care and Maintenance section of this manual.

⑳ FAST-FORWARD BUTTON (▶▶)

Pushing the Fast-Forward button will cause the tape to move rapidly in the forward direction of play. To stop Fast-Forward movement, lightly push the Rewind button until the Fast-Forward button disengages.

㉑ REWIND BUTTON (◀◀)

Pushing the Rewind button will cause the tape to move rapidly in the reverse direction of play. To stop Rewind movement, lightly push the Fast-Forward button until the Rewind button disengages.

㉒ PAUSE (PAU) BUTTON

The Pause function is used to freeze disc play when the optional CD changer is in use. PAUSE will appear flashing on the display. Press this button again to resume disc play; the PAUSE indication will disappear.

㉓ PROGRAM SELECTOR

To manually reverse tape direction and play the other side of the cassette, lightly push both the Fast-Forward and Rewind buttons at the same time. The change of direction will be shown by the arrows on the display panel.

㉔ EJECT BUTTON (▲)

Tape playback is stopped and the cassette is ejected by pressing this button, which also has the function of switching over to radio operation.

NOTE: Never leave a cassette engaged in the player when not in use. Doing so can cause damage to the cassette and/or mechanism of the unit. Always press the eject button and remove the cassette when leaving the vehicle.

㉕ **TIME/FREQUENCY (T/F) BUTTON**

During radio operation, press this button to call the time display on the incorporated quartz clock. The current time will appear together with an **A** or **P** indication. The display will return to the radio frequency indication after 5 seconds.

During cassette player operation, a second press of this button will call the time display. During CD changer operation, the first press of the button will call the time display. In either case, the display will return to the disc or cassette indication after 5 seconds.

㉖ **EQUALIZER BUTTON (EQ)**

The **EQ** button applies preset sound effects to the unit's audio output signal. The **EQ** button, when pressed, will activate one of the following operating modes: **CLASSICS**, **POP**, **JAZZ**, **FLAT**,or **DSP OFF**. When the **EQ** function is active, as displayed on the panel, the bass and treble levels cannot be changed. When the **EQ** function is not active, the unit returns to the user set bass and treble levels. The **FLAT** selection indicates no equalizer enhancement of the program, while **DSP OFF** inhibits selection of equalizer mode enhancement.

㉗ **PRE-SET SCAN (PS) / AUTO-STORE TUNING (AS)**

Press this button momentarily to scan the stations pre-set into each AM band and each FM band. The unit will stop at each pre-set station for approximately 5 seconds before continuing to the next pre-set station (the pre-set station number on the display panel will flash during Pre-Set Scan operation). Press the button again momentarily to stop Pre-Set Scan operation and remain on the selected frequency. If no buttons are pressed during the scan, the unit will continue to scan the band in use.

Pressing and holding the button for longer than 2 seconds will activate the Auto-Store (AS) tuning feature which will automatically scan and enter up to 6 local area stations into the pre-set memories on the band in use. If you have already set the pre-set memories to your favorite stations, activating the Auto-Store Tuning feature will erase those stations and enter the new local ones. This feature is most useful when traveling in a new area where you are not familiar with the local stations.

㉘ **THEFT-DETERRENT LED**

Located on the chassis behind the front panel, a light-emitting diode (LED) will flash when the panel is physically removed. The flashing light serves as a visual warning to the would-be thief that the unit has been disabled by removal of the front panel.

㉙ **RESET BUTTON**

The RESET button is located to the right of the theft deterrent LED. The reset circuitry should only be activated under the following circumstances as it will erase the time and pre-set memories:

1. Upon initial installation after all wiring is completed.

2. If there is a malfunction of any of the switches on the unit, pressing the RESET button may clear the system and return to normal operation.

30 **FRONT PANEL RELEASE BUTTON (OPEN)**

This button is used to release the mechanism that holds the front panel to the chassis. To detach the front panel, press the button so that the panel drops to the lowered position. Grasp the panel at the middle and pull it off of the chassis. To re-attach the panel, press it straight onto the chassis until the mechanism locks it into place.

NOTES ON USE OF FRONT PANEL

1. Make sure the front panel is positioned correctly when sliding it into the front mounting plate, as it cannot be attached when up-side down. Use moderate pressure to fully seat the panel into position.

2. To verify correct panel installation, swing the panel assembly up into position until it locks easily into place. If any resistance is encountered, re-check panel orientation in chassis mounting plate.

3. When taking the front panel with you, please use the supplied carrying case to protect the panel from dirt and damage. Make sure there is no dust or dirt on the electrical terminals on the back of the panel as this could cause intermittent operation or other malfunctions.

PANEL RELEASE BUTTON

FRONT PANEL

CASSETTE EJECT BUTTON (27)

CASSETTE DOOR (19)

FAST FORWARD/ REVERSE BUTTONS

RESET BUTTON (31)

THEFT DETERRENT LED (30)
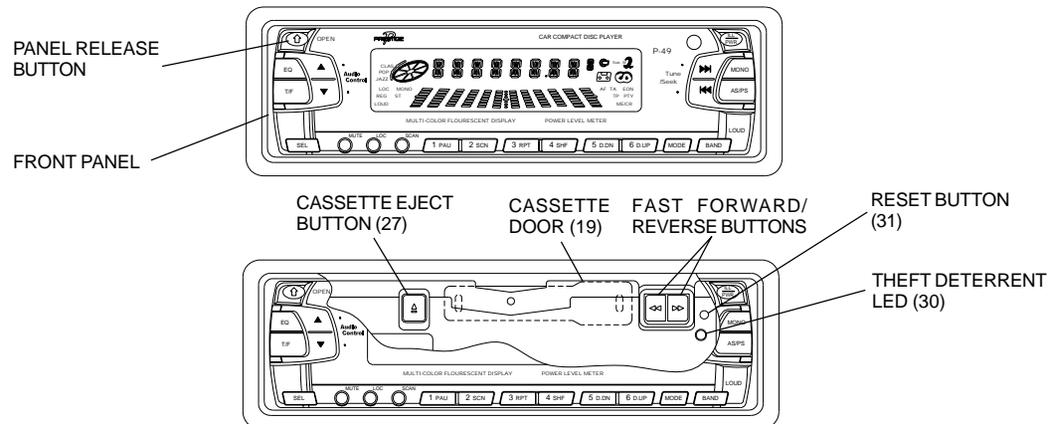
SETTING THE CLOCK

1. Switch the vehicle ignition and radio "on".

2. Press the Time/Frequency (T/F) button to call the time display; then press and hold the button until the time display flashes.

3. While the display is flashing, press the Up TUNE/SEEK (▶▶|) button to adjust the hours and **AM/PM** indication, or the Down TUNE/SEEK (|◀◀) button to adjust the minutes to the correct time.

4. Five seconds after the last hour or minute adjustment is made, the time will be set in the unit and the display will return to the normal indication.

SPECIFICATIONS

Size:	7" W x 2" H x 6-5/16"D 178 mm x 50 mm x 160 mm	Output Impedance:	Compatible with 4 – 8 ohm speakers.
Operating Voltage:	12 volts DC, negative ground	Low-Level Output:	500 mv.
Fuse Ratings:	Constant (Yellow wire): 15 AMP. Switched (Red wire): 0.5 AMP.	Tuning Range:	AM: 530 – 1,720 kHz. (10 kHz. step) FM: 87.5 – 107.9 MHz. (200 kHz. step)
Output Power:	160 watts maximum (40 watts x 4 channels)	Sensitivity:	AM: 20 uv. FM: 1.5 uv.
Output Wiring:	Floating-ground type designed for 4 speaker use. Front and rear channels CAN NOT be combined (bridged) for use with 2 speakers. RCA low-level outputs (front and rear channels).	FM Stereo Separation:	>20 dB
		Cassette Mechanism:	Manual Reverse with Auto-Aligned Azimuth System and Tape Program Search
		Tape S/N Ratio:	Equal to, or greater than, 40dB
		Separation:	Equal to, or greater than, 35dB

*Specifications are subject to change without notice.

CD CHANGER CONTROLS

Built into this radio are controls to operate an optional CD changer. Please check with your Prestige/Audiovox car stereo specialist or call 1-800-645-4994 for recommendations of the models that will work with this radio.

Adjustment of the audio functions (volume, tone, balance, and fader) for the CD changer operate in the same manner as they do for radio play. The following controls will operate the CD changer when it is installed and connected to this radio. Refer to the owner's manual included with the CD changer for instructions on the installation and correct loading and use of the CD magazine.

㉛ CD CHANGER MODE SELECTOR (MODE)

During radio or tape cassette play, press this button to select operation of the CD changer as shown by **CDC** on the display panel. Disc play will begin and the disc and track number will be shown on the display panel. When the magazine is loaded into the changer, play will begin from the first track of the first disc in the magazine.

㉜ DISC SELECT (D.UP/D.DN)

These buttons are used to select the desired disc for play. To advance to a higher number disc, press the D.UP button. To return to a lower number disc, press the D.DN button. The number of the disc in play will be shown on the display panel.

㉝ TRACK SELECT (▶▶❘ / ❘◀◀)

The Track Select functions are executed using the TUNE/SEEK buttons, and quickly access the beginning of a particular track. Each time the Forward Track Select (▶▶❘) button is pressed, the next higher track number will be selected as shown on the display panel. Similarly, each time the Backward Track Select (❘◀◀) button is pressed, the next lower track number will be selected as shown on the display panel.

㉞ CUE/REVIEW FUNCTIONS (▶▶❘ / ❘◀◀)

High-speed audible search to any section of the disc can be made by using the TUNE/SEEK buttons for the Cue and Review functions. Repeatedly press the Cue (▶▶❘) side of the button to advance rapidly in the forward direction (disc play symbol rotation on the display panel will stop), or the Review (❘◀◀) side of the button to advance rapidly in the backward direction.

㉟ TRACK/DISC SCAN SELECTOR (SCN)

When the SCN button is pressed, the **DISC** and **SCN** indications will appear on the display panel and the first 10 seconds of the first track on each disc in the magazine will be played. When a desired disc is reached, press the SCN button again and play of the selected disc will continue (**DISC** and **SCN** will disappear from the display panel). The Disc Scan mode will also be canceled by activating the Repeat Play or Shuffle Play functions.

㊱ DISC/TRACK REPEAT PLAY (RPT)

When the Repeat button is pressed, the **DISC** and **RPT** indications will appear on the display panel and play of the selected disc will be continually repeated until the Disc Repeat mode is canceled by pressing the RPT button again or by activating the Scan or Shuffle Play functions.

㊲ **DISC/TRACK SHUFFLE PLAY (SHF)**
When the SHF button is pressed, the **DISC** and **SHF** indications will appear on the display panel and the discs in the magazine will be played in a random, shuffled order, as well as the tracks on each disc. After playing all tracks selected at random from a disc in the magazine, the unit will select another disc at random and play all the tracks on it in a random shuffled order. This will continue from disc-to-disc until the Random Disc mode is canceled by pressing the SHF button again or by activating the Scan or Repeat Play functions.

——— *CD CHANGER ERROR CODES* ———

If a problem should develop while operating the CD changer, the following error codes may appear on the display panel.

ER-1: Indicates that there is no magazine loaded in the CD changer.

ER-2: Indicates a problem with the magazine eject function.

ER-3: Indicates an error in the disc loading function.

ER-4: Indicates an error in the disc unloading function.

ER-5: Indicates an error in the magazine position.

ER-6: Indicates an error in the laser pick-up position.

ER-7: Indicates an error in the laser focus on the disc.

In any of these error situations, try ejecting the CD magazine from the changer and make sure the discs are clean, undamaged, and loaded correctly (refer to the Owner's Manual of the CD changer). Re-load the magazine and check for proper operation. You may also try activating the RESET button ㉙ on the unit, but this will also erase the time and pre-set memories. If the suggested measures do not solve the problem, contact an approved warranty station near you for further assistance.

CARE AND MAINTENANCE

The radio portion of your new sound system does not require any maintenance. We recommend you keep this manual for general reference of the many features found in this unit.

MAINTAINING THE CASSETTE PLAYER

As with any cassette player, the cassette section of this sound system does require a minimum of maintenance to keep it in good working condition. The following simple care and maintenance suggestions should be followed to prevent malfunctions of the cassette system.

1. Purchase a cassette cleaning kit from your local retail store. Use it! At least every 20 to 30 hours of operation you must clean the cassette mechanism. A dirty cassette player will have a poor sound.
2. Do not use cassettes that exceed 45 minutes of play on each side.
3. Do not insert a cassette that appears to be broken, twisted or dirty or with loose or torn labels on it.
4. Always keep your cassettes away from direct sunlight or exposure to sub-freezing conditions. If a cassette is cold, allow it to warm up before use.
5. Do not keep a cassette in the player when not in use.
6. Before inserting a cassette in the player, check that the tape is tightly wound on the reels.Takeup any excess slack using a pencil to turn the drive hub in the cassette (see diagram).   .
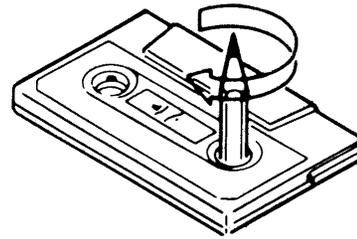
HANDLING COMPACT DISCS

Dirt, dust, scratches, and warpage can cause skips in the playback and deterioration of sound quality. Please follow these guidelines to take care of your compact discs when using the optional CD Changer:

- Use only compact discs with the mark
- Fingerprints, dust, and dirt should be carefully wiped off the disc's playing surface (shiny side) with a soft cloth. Wipe in a straight motion from the inside to the outside of the disc.
- Never use chemicals such as record sprays, household cleaners or thinner to clean compact discs. Such chemicals can irreparably damage the disc's surface.
- Discs should be kept in their storage cases when not in use.
- Do not expose discs to direct sunlight, high temperatures or high humidity for extended periods.
- Do not stick paper, tape, or labels on the disc surfaces nor write on them with any type of marker.

12 / 24 MONTH LIMITED WARRANTY

Applies to automotive radios, radio/tape players, radio/CD players, CD changers, power amplifiers, equalizers and accessories.

AUDIOVOX CORPORATION (the Company) warrants to the original retail purchaser of this product that should this product or any part thereof, under normal use and conditions, be proven defective in material or workmanship within 12 months from the date of original purchase, such defect(s) will be repaired or replaced with new or reconditioned product (at the Company's option) without charge for parts and repair labor.

To obtain repair or replacement within the terms of this Warranty, the product is to be delivered with proof of warranty coverage (e.g. dated bill of sale), specification of defect(s), transportation prepaid, to an approved warranty station or the Company at the address shown below.

The warranty period will be extended to 24 months from the date of original purchase if the product is installed by an authorized Prestige Audio dealer. To claim warranty service during this extended period, the bill of sale must specify that the product was installed by an authorized Prestige Audio dealer.

This Warranty does not extend to the elimination of externally generated static or noise, to correction of antenna problems, to costs incurred for installation, removal or reinstallation of the product, or to damage to tapes, compact discs, speakers, accessories, or vehicle electrical systems.

This Warranty does not apply to any product or part thereof which, in the opinion of the Company, has suffered or been damaged through alteration, improper installation, mishandling, misuse, neglect, accident, or by removal or defacement of the factory serial number/bar code label(s). THE EXTENT OF THE COMPANY'S LIABILITY UNDER THIS WARRANTY IS LIMITED TO THE REPAIR OR REPLACEMENT PROVIDED ABOVE AND, IN NO EVENT, SHALL THE COMPANY'S LIABILITY EXCEED THE PURCHASE PRICE PAID BY PURCHASER FOR THE PRODUCT.

This Warranty is in lieu of all other express warranties or liabilities. ANY IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY, SHALL BE LIMITED TO THE DURATION OF THIS WRITTEN WARRANTY. ANY ACTION FOR BREACH OF ANY WARRANTY HEREUNDER INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY MUST BE BROUGHT WITHIN A PERIOD OF 30 MONTHS FROM DATE OF ORIGINAL PURCHASE. IN NO CASE SHALL THE COMPANY BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES FOR BREACH OF THIS OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, WHATSOEVER. No person or representative is authorized to assume for the Company any liability other than expressed herein in connection with the sale of this product.

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damage so the above limitations or exclusions may not apply to you. This Warranty gives you specific legal rights and you may also have other rights which vary from state to state.

U.S.A. : AUDIOVOX CORPORATION, 150 MARCUS BLVD., HAUPPAUGE, NEW YORK 11788 ● 1-800-645-4994
CANADA : CALL 1-800-645-4994 FOR LOCATION OF WARRANTY STATION SERVING YOUR AREA

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